

## ABSTRACT OF THE DISCLOSURE

A processing device (200) includes three hardware extensions: a motion estimation extension 202, a pixel interpolation extension 204 and a DCT/iDCT extension 206. The hardware extensions perform functions which would otherwise be highly processor intensive, resulting in high power consumption and/or low quality video/imaging processing. The processing device 200 could be used, for example, in a mobile videophone 150.

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